

TABLE 2.—Data furnished by the Canadian Meteorological Service, September, 1932

Stations	Altitude above mean sea level, Jan. 1, 1919	Pressure			Temperature of the air						Precipitation		
		Station reduced to mean of 24 hours	Sea level reduced to mean of 24 hours	Depart- ure from normal	Mean max. + mean min. ÷ 2	Depart- ure from normal	Mean maxi- mum	Mean mini- mum	Highest	Lowest	Total	Depart- ure from normal	Total snowfall
	<i>Feet</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>° F.</i> 55.9	<i>° F.</i>	<i>° F.</i> 62.2	<i>° F.</i> 49.5	<i>° F.</i> 72	<i>° F.</i> 33	<i>In.</i> 3.70	<i>In.</i>	<i>In.</i> 0.0
Cape Race, N. F.	99												
Sydney, C. B. I.	48												
Halifax, N. S.	88												
Yarmouth, N. S.	65												
Charlottetown, P. E. I.	38												
Chatham, N. B.	28												
Father Point, Que.	20	29.95	29.97	-0.01	52.3	+1.9	59.6	44.9	73	32	2.92	-0.21	0.0
Quebec, Que.	296	29.70	30.02	+0.01	57.3	+2.2	64.7	50.0	80	32	5.13	+1.46	0.0
Doucet, Que.	1,236				50.5		62.9	38.1	80	25	5.31		0.2
Montreal, Que.	187	29.81	30.01	-0.03	61.0	+2.6	68.7	53.3	89	37	2.28	-1.02	0.0
Ottawa, Ont.	236	29.78	30.04	.00	61.7	+4.3	73.1	50.3	92	32			
Kingston, Ont.	285	29.75	30.06	+0.02	62.0	+2.0	70.3	53.8	84	34	2.78	-0.02	0.0
Toronto, Ont.	379	29.66	30.06	.00	62.0	+3.0	70.7	53.4	87	38	3.04	-0.21	0.0
Cochrane, Ont.	930				53.6		63.4	43.8	83	32	2.44		0.7
White River, Ont.	1,244	28.68	29.99	+0.01	52.2	+1.9	64.9	39.4	81	23	1.92	-0.85	0.0
London, Ont.	808				59.9		71.2	48.6	81	29	3.24		0.0
Southampton, Ont.	656	29.36	30.07	+0.02	59.3	+1.8	68.8	49.8	80	37	6.48	+3.54	0.0
Parry Sound, Ont.	688	29.36	30.04	+0.01	57.7	+1.7	65.6	49.8	77	36	7.29	+3.62	0.0
Port Arthur, Ont.	644	29.29	30.00	+0.02	55.2	+3.0	66.4	44.1	84	34	1.52	-1.96	0.0
Winnipeg, Man.	760	29.17	30.00	+0.06	56.0	+3.5	68.2	43.9	88	30	1.89	-0.14	0.0
Minnedosa, Man.	1,690	28.16	29.97	+0.03	52.4	+1.9	66.3	38.4	84	26	0.74	-0.62	0.0
Le Pas, Man.	860				52.0		62.7	41.4	78	26	1.21		0.0
Qu'Appelle, Sask.	2,115	27.71	29.94	+0.02	53.8	+2.7	67.9	39.7	87	26	0.26	-1.07	0.0
Moose Jaw, Sask.	1,759				55.9		70.5	41.2	92	26	0.40		0.0
Swift Current, Sask.	2,392	27.42	29.93	+0.01	54.9	+1.8	70.4	39.4	90	28	0.33	-0.89	0.0
Medicine Hat, Alb.	2,365	27.47	29.95	+0.03	55.9	+0.9	68.7	43.2	90	34	2.92	+1.74	0.0
Calgary, Alb.	3,540	26.31	29.97	+0.05	52.1	+2.3	64.7	39.5	83	28	1.21	-0.15	0.0
Banff, Alb.	4,521	25.44	30.00	+0.07	48.7	+2.9	61.1	36.3	78	26	0.87	-0.80	0.0
Prince Albert, Sask.	1,450	28.40	29.97	+0.07	53.0	+4.6	65.4	40.7	84	28	0.83	-0.45	0.0
Battleford, Sask.	1,592	28.21	29.94	+0.04	54.5	+2.7	69.8	39.3	96	27	0.81	-0.44	0.0
Edmonton, Alb.	2,150	27.64	29.90	.00	53.5	+4.2	66.5	40.6	87	34	0.98	-0.35	0.0
Kamloops, B. C.	1,262	28.72	30.00	+0.03	58.1	+0.7	69.5	46.7	86	35	0.57	-0.28	0.0
Victoria, B. C.	230	29.88	30.13	+0.12	57.6	+2.8	65.8	49.4	76	44	0.56	-1.60	0.0
Barkerville, B. C.	4,180				52.1		57.8	46.5	66	40	6.43		0.0
Estevan Point, B. C.	20												
Prince Rupert, B. C.	170				51.6		56.9	46.4	66	39	16.60		0.0
Hamilton, Ber.	151	29.88	30.04	-0.03	77.2	-0.2	82.4	72.0	87	67	2.13	-4.38	0.0

## LATE REPORTS FOR AUGUST, 1932

Cape Race, N. F.	99												
Sydney, C. B. I.	48	29.93	29.98	+0.03	66.2	+2.9	75.6	56.9	82	46	4.42	+0.80	0.0
Halifax, N. S.	88	29.87	29.97	+0.01	65.9	+2.3	74.8	57.1	84	46	3.97	-0.38	0.0
Yarmouth, N. S.	65	29.87	29.94	-0.03	63.1	+2.9	71.5	54.8	80	50	3.00	-0.62	0.0
Charlottetown, P. E. I.	38	29.87	29.91	-0.03	67.3	+3.0	73.8	60.9	83	53	1.28	-2.46	0.0
Chatham, N. B.	28	29.80	29.83	-0.10	65.9	+2.7	75.8	56.0	88	43	4.62	+0.58	0.0

## SEVERE LOCAL STORMS, SEPTEMBER, 1932

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual Report of the Chief of Bureau]

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Fort Morgan and Bayou Labatre, Ala.	Aug. 31- Sept. 1	10.50 p. m.- 3 a. m.				Wind and rain	No details	Official, U. S. Weather Bu- reau.
Pike County, Ala.	1	8 a. m.	30-50		\$2,500	Tornado winds	Property damage; path 6 miles long	Do.
Baldwin and Mobile Counties, Ala.	1			2	105,000	Hurricane	Damage to property, fruit, and pecans; 2 persons missing.	Do.
Gretna, Va. (2 miles east)	2	4 p. m.	200		1,500	Wind.	Property damaged.	Do.
Greensboro, N. C.	2	P. m.				Electrical	Power lines and telephones disabled; house dam- aged by lightning.	Do.
Taylor, Tex.	3					Heavy rain	Cotton considerably damaged.	Do.
Buffalo, N. Y.	4					Gale	Power lines torn down; small craft in peril.	Do.
Dawson, N. Mex.	5	2 p. m.	800			Hail	Considerable damage.	Do.
Abilene, Tex., and vicini- ty.	5-6			4		Heavy rain	Fields washed; lowlands flooded; crops damaged; livestock drowned	Do.
Burlington, Vt.	6	8 p. m.				do	Only slight damage reported because of dry con- dition of soil.	Do.
Caldwell, Iowa.	8					Electrical	Electric service interrupted; barn burned.	Do.
Havre, Mont.	8				1,000	Wind	Crops and fences blown down; considerable soil shifted; aerial pole and trees blown down.	Do.
Nantucket, Mass., and neighboring waters.	8-9						Thirty small boats washed ashore. Tremend- ous seas at fishing grounds.	Do.
Trego and Ellis Coun- ties, Kans.	10	3:20 p. m.	1 4-5			Heavy hail and downpour.	Crops damaged; cattle drowned; path 20 miles long.	Do.
Plainsville, Kans. (vici- nity).	10	7:30 p. m.	1 2		10,000	Heavy hail	Ground covered 1 to 2 inches deep with hail- stones; path 17 miles long.	Do.

<sup>1</sup> Miles instead of yards.

## Severe local storms, September, 1932—Continued

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Phillips, Smith, and Jewell Counties, Kans.	Sept. 11	4-5:30 p. m.	13	-----	\$25,000	Heavy hail.....	Hailstones drifted 1 to 5 feet deep; much damage to crops and livestock; path 50 miles long.	Official, U. S. Weather Bureau.
Osborn County, Kans.	11	5:30-6 p. m.	17	-----	-----	Tornadoic winds and hail.	Property damaged; path 8 miles long.....	Do.
Pleasant and Richland, Iowa.	11	P. m.	-----	-----	500	Hail and electrical.	Property damaged; barn destroyed by fire.....	Do.
Dubuque County, Iowa.	12	4 a. m.	-----	-----	5,000	Electrical.....	Barn burned.....	Do.
Poweshiek County, Iowa.	12	A. m.	-----	-----	-----	do.....	Transmission lines damaged by lightning.....	Do.
Southern Shelby County, Mo.	12	4:30-9 p. m.	-----	1	2,600	Wind.....	Electric wires and property damaged.....	Do.
Jones County, Iowa.	12	5:15 p. m.	440	-----	76,000	Tornado, hail, and electrical.	Damage to crops and property; path 5 miles long.	Do.
Moline, Ill.	12	6:20 p. m.	-----	-----	500	Electrical.....	House damaged by lightning.....	Do.
Traverse City, Mich.	12	6:45 p. m.	-----	-----	-----	Gale.....	Telephone wires blown down; many windowpanes broken by hail; motorists unable to drive cars.	Do.
Bremer County, Iowa.	12	P. m.	8	-----	-----	Tornado.....	Corn beaten down; machine shed and 2 windmills wrecked; path 1 mile long.	Do.
Jackson County, Iowa.	12	P. m.	-----	-----	15,000	Wind.....	Corn crop and property damaged.....	Do.
O'Brien and Cass Counties, Iowa.	12	P. m.	-----	-----	-----	Electrical and hail.	Cattle killed by lightning; barn burned.....	Do.
Sangamon, Calhoun, and Hardin Counties, Ill.	12	P. m.	18	-----	10,700	Wind, hail, and electrical.	Property destroyed; path 5 miles long.....	Do.
Corona, N. Mex.	13	2 p. m.	16	-----	-----	Hail.....	No details.....	Do.
Isidore, N. Mex.	13	5 p. m.	1,320	-----	225	Rain and hail.	Grass cut off at top of ground.....	Do.
Apalachicola, Fla.	13-14	-----	-----	-----	8,000	Heavy rain, wind, and electrical.	Electric power disabled; property damaged; railroad train derailed when tracks washed out.	Do.
Durant, Okla.	14	6 p. m.	12	-----	-----	Hail.....	Much damage to crops; path 10 miles long.....	Do.
Apalachicola, Fla.	15	1-5:55 a. m.	-----	-----	-----	Wind.....	No serious damage.....	Do.
Sedalia, Mo.	16	4 a. m.	11	-----	1,800	Hail.....	Fall of small hailstones sufficient to stall automobiles several hours.	Do.
Ama to House, N. Mex.	16	8 p. m.	11	-----	5,000	do.....	Path 25 miles long.....	Do.
Houghton, Mich.	17	A. m.	-----	-----	-----	Thunderstorm.....	Large barn with contents destroyed by fire.....	Do.
Eastern Washington	17	-----	-----	-----	-----	Wind.....	Strong wind blew fruit from trees.....	Do.
Concordia, Kans.	17	9:30-10:02 p. m.	12	-----	20,000	Hail.....	Large hailstones caused damage to property; path 4 miles long.	Do.
Alpena, Mich.	18-19	-----	-----	-----	-----	Thunderstorm and wind.	Considerable damage to signs and trees.....	Do.
West Baton Rouge Parish, La.	19	1:15 p. m.	-----	-----	-----	Tornado.....	Sugarcane blown down; path 8 miles long.....	Do.
Powers, Mich. (3 miles south).	19	5:10 p. m.	40	-----	300	do.....	Roof of large barn lifted, then dropped onto track; railroad cars blown over.	Do.
Kloman, Mich. (27 miles northeast).	19	6 p. m.	-----	-----	-----	Heavy rain.....	No details.....	Do.
Kell, Wis.	19	7 p. m.	440	-----	2,000	Tornado.....	Telephone and electric poles blown down; trees uprooted; property damaged.	Do.
Chapman, Kans.	21	2:15 p. m.	167	-----	1,000	Small tornado.....	Property damaged; path 1 mile long.	Do.
Ford County, Kans.	21	3-4 p. m.	11	-----	700	Heavy hail.....	Hailstones fell to depth of 3 to 4 inches; damage to gardens and greenhouses; path 10 miles long.	Do.
Sumner and Cowley Counties, Kans., and vicinity.	21	6:30-7 p. m.	10-20	-----	25,000	Wind.....	Electric lines and property damage; path 45 miles long.	Do.
Osage County, Okla.	21	7:30 p. m.	-----	-----	17,000	do.....	Damage to crops and property.....	Do.
Wichita, Kans.	21	P. m.	-----	-----	16,500	Electrical and wind.	Power lines disabled; trees and property damaged; airplanes demolished; hangar collapsed.	Do.
New Haven, Conn.	23	do.	-----	1	-----	Electrical.....	No details.....	Do.
Elk Creek (near), Colo.	28	1-3 p. m.	14	-----	-----	Hail.....	Some stones the size of golf balls; property damaged.	Do.
Tehachapi Mountains, Kern County, Calif.	30	1:30-8 p. m.	-----	15	1,000,000	Torrential rains...	Valley dwellings flooded; great damage to railroads, traffic interrupted for 14 days.	Do.

<sup>1</sup> Miles instead of yards.